

CLAIMS:

1. A power supply device, comprising:
  - a connection terminal connected to power supply means;
  - a casing for housing said connection terminal;
  - an output terminal arranged in said casing for outputting the power supplied to said connection terminal;
  - a second surface of said casing continuing to a first surface of said casing carrying said output terminal, said second surface extending substantially at right angles to said first surface;
  - a plurality of recesses arranged substantially on the centerline of said second surface; and
  - a plurality of engagement recesses formed at corners of said first and second surfaces for opening in said first and second surfaces for engagement with said battery loading device;
  - at least one of said engagement recesses having an opening in said first surface of a bent shape comprised of a portion perpendicular to said second surface and a portion parallel to said second surface.
2. The power supply device according to claim 1, wherein openings in said first surface of two of said engagement recesses are symmetrical substantially with respect to the centerline of said first surface perpendicular to said second surface.
3. The power supply device according to claim 1, wherein in at least two of said plural engagement recesses, the opening in the first surface is substantially L-shaped or inverted L-shaped.
4. The power supply device according to claim 1, wherein the opening in said first surface of said engagement

recess has a height in a direction perpendicular to the second surface approximately equal to or higher than the outer periphery of said connection terminal.

5. The power supply device according to claim 1, wherein there are formed grooves engaged by said battery loading device in third and fourth surfaces of said casing arranged substantially at right angles to said first and second surfaces.

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